

Go Anywhere



Ready to meet future operational demands

Powerful but environmentally aware -
top performance with low environmental impact

Safety by Design: cocoon-type high strength
airframe and crash resistant systems

Automatic navigation from departure to approach

Full glass-cockpit for reduced crew workload and
excellent external visibility

Improved pilot situational awareness for safer
operations



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M-13-0010

 **AgustaWestland**
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See Further

AgustaWestland

The top-of-the-range
light twin helicopter with
advanced avionics for
multiple applications



GrandNew



VISION SYSTEMS: A NEW LEVEL OF SITUATIONAL AWARENESS

Synthetic Vision System (SVS)

- The first light twin helicopter incorporating synthetic vision
- Shows a realistic view of the surrounding topography
- Provides full terrain and obstacle awareness even in low visibility flight conditions (e.g. clouds, bad weather, night-time)

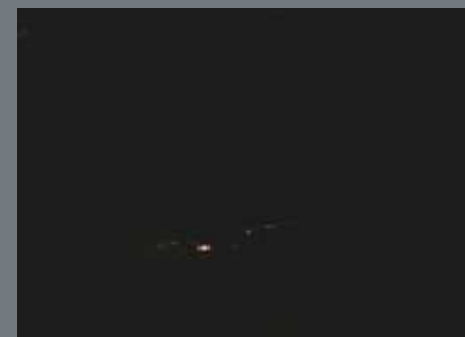


Highway In The Sky (HITS)

- Provides three dimensional guidance along the defined flight plan

Enhanced Vision System (EVS)

- EVS enhances day / night operational safety and situational awareness where visibility is limited
- See through darkness, smoke, smog, dust, light fog as in a VFR flight



[Naked eye]



[Enhanced View]

Helicopter Terrain Awareness and Warning System (HTAWS)

- The detailed internal terrain map provides situational awareness, dramatically increasing safety
- Terrain Display is available on PFD and MFD and the pilot is alerted when hazardous flight or approach conditions are detected



NEW AVIONICS FOR NEW CAPABILITIES

Single pilot IFR; dual control cockpit configuration, based on a full digital avionic system architecture.

Compliance with next generation requirements

A breakthrough avionics suite allows compliance with CNS (Communication Navigation and Surveillance) requirements, through RNAV (Area Navigation) / RNP (Required Navigation Performance) GNSS based navigation and ADS capabilities, thanks to:

- Dual GPS / SBAS (Satellite Based Augmentation System) receivers, dual Air Data System, dual Attitude and Heading Reference System, dual VOR / ILS system, Radar Altimeter, ADF, and DME
- Mode S Transponder with ADS-B (Automatic Dependent Surveillance – Broadcast) capabilities

Automatic navigation from departure to approach

The GrandNew opens new flight perspectives with point in space navigation, setting a new benchmark in terms of advanced operating capabilities, safety and future mission requirements.

A state-of-the-art navigation suite, based on a dual Flight Management System (FMS) and an advanced digital dual-duplex 4-axis autopilot, incorporating GNSS / SBAS capabilities, provides lateral and vertical guidance for in-flight procedures including approach operations to LPV minima.

Full glass-cockpit for reduced crew workload and excellent external visibility

An ergonomic glass-cockpit integrates FMS, SVS, and HTAWS functions to reduce crew workload, enhancing mission capabilities and safety during all types of operation.

An optional dedicated 8.4" Central Cockpit Display for increased situational awareness allows the pilot to monitor and implement systems such as:

- Digital Map System
- FLIR (Forward Looking Infra Red)
- Enhanced Vision System
- Cargo hook camera

Training

A new training system design to support the advanced capabilities of new generation avionics.

MULTIROLE BY NATURE



CORPORATE / VIP *Extending your comfort*

Passengers will experience the smoothest ride and the highest levels of comfort, thanks to GrandNew's low noise, low vibration and spacious cabin. High safety standards are ensured by crashworthy seats and fuel tanks, and by excellent OEI flying capabilities.



EMS / SAR *Quick intervention, efficient response*

The GrandNew design combines a state-of-the-art avionics suite, excellent external visibility and a flexible cabin arrangement to ensure successful completion of any EMS mission. Top class performance and unrivalled situational awareness enables operations in the most severe conditions, including in high altitudes and in harsh weather.



OFFSHORE / PASSENGER TRANSPORT *Productivity at the highest level*

The GrandNew can be configured to meet the demanding safety standards required for offshore operations. Unique Category A performance ensures safe operations even at high temperatures. High speed and the opportunity to carry up to 7 passengers in a new interior, offers the lowest fuel burn per pax nm in class, contributing to outstanding operating economics.



LAW ENFORCEMENT / BORDER PATROL *The finest advantage*

The GrandNew is the perfect solution for law enforcement missions, combining superior manoeuvrability with an extensive choice of state-of-the-art mission equipment. The new avionics suite ensures low pilot workload and improved external visibility to enable complete mission focus.



UTILITY

Outstanding flexibility in role

Exceptional stability and unique OEI performance for additional safety makes the aircraft particularly suitable for challenging utility roles such as aerial filming, HPS (Harbour Pilot Shuttle) and offshore wind farm maintenance. A large accessible modular cabin ensures the GrandNew can be configured to meet these specialised missions.

PERFORMANCE

The Top Performer

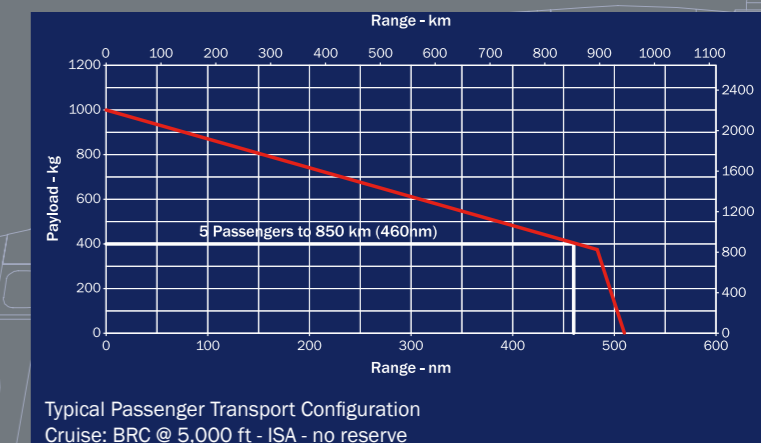
The GrandNew sits at the top of its class in terms of performance. The streamlined fuselage, the powerful turboshaft engines and the new transmission and main rotor technology ensure a very high maximum cruise speed and unmatched OEI performance.

MAIN PERFORMANCE CHARACTERISTICS

- Full VTOL Cat. A Class 1 performance for safe operations
- Crash-resistant seats and fuel system
- 30 min dry run capable main gear box
- New generation powerful PW207C engines with FADEC

LEADING DATA (MTOW, ISA – S.L.)

Max Take-Off Weight	3,175 kg	7,000 lb
Cruise Speed	289 kph	156 kts
Maximum Range	859 km	464 nm
Maximum Endurance		4 hrs 31 min
Service Ceiling	4,880 m	16,000 ft
Hover IGE	4,750 m	15,600 ft
Hover OGE	3,050 m	10,000 ft
VTOL Category A	950 m	3,100 ft
VTOL Cat. A at MTOW up to		37 °C (ISA + 22 °C)
Crew / Passengers	1 or 2 pilots and 7 or 6 passengers	
Powerplant	2 x Pratt & Whitney Canada PW207C	
Power Rating – AEO TOP	2 x 548 kW	2 x 735 shp



Environmentally friendly and cost-effective

- Designed for aerodynamic efficiency; low drag and less fuel burn result in lower environmental impact and attractive operating economics
- Minimum noise footprint thanks to advanced rotor design and optimised GPS based procedures
- Environmentally aware manufacturing processes
- Low emissions high-technology powerplant
- Advanced manufacturing technology incorporating composites